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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Andrew Mark Gutman, Aravind Sitaraman, Sampath Kumar Sthothra Bhasham, and Kalpathi S. Suryanarayanan

Application No./Patent No.: 6,298,383 Filed/Issue Date: October 2, 2001

Entitled: Integration of Authentication Authorization and Accounting Service and Proxy Service

Cisco Technology, Inc., a California Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. ☒ the assignee of the entire right, title, and interest; or
- 2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 9896, Frame 0727 & 0729, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature  
Robert A. Barr

SEP 21 2004  
Date

Printed or Typed Name

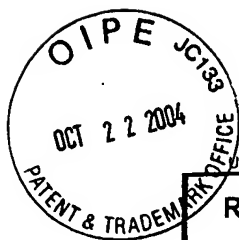
408-526-4000

Telephone Number

Vice President / Worldwide  
Patent Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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# **REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT**

Docket Number (Optional)  
CISCO-8363

This is part of the application for a reissue patent based on the original patent identified below.

**Name of Patentee(s)**

Andrew Mark Gutman, Aravind Sitaraman, Sampath Kumar Sthothra Bhasham, and Kalpathi S. Suryanarayanan

Patent Number  
6,298,383

Date Patent Issued  
October 2, 2001

**Title of Invention**

Integration of Authentication Authorization and Accounting Service and Proxy Service

1. ☒ Filed herein is a certificate under 37 CFR 3.73(b). (Form PTO/SB/96)

2. ☐ Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are Cisco Technology, Inc. and the assignee(s) consents to the accompanying application for reissue.

**Name of assignee/inventor (if not assigned)**

Cisco Technology, Inc.

Signature

Date

SEP 21 2004

Typed or printed name and title of person signing for assignee (if assigned)

Robert A. Barr  
Vice President  
Worldwide Patent Counsel  
Cisco Technology, Inc.

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No.: CISCO-8363  
(REISSUE OF CISCO-0737)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Andrew Mark Gutman et al.

ORIGINAL PATENT NO.: 6,298,383

REISSUE SERIAL NO.: 10/679,203

FILING DATE: October 2, 2003

TITLE: Integration of Authentication Authorization and  
Accounting Service and Proxy Service

EXAMINER: Robert Harrell (in original case)

ART UNIT: 2152

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**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class  
Mail in an envelope addressed to: Commissioner for Patents, Mail Stop: Reissue, P.O. Box 1450, Alexandria,  
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**MAIL STOP REISSUE  
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**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

We, Andrew Mark Gutman, Aravind Sitaraman, Sampath Kumar Sthothra Bhasham and Kalpathi S. Suryanarayanan, sole inventors of United States Patent No. 6,298,383, declare that:

1. Our respective current residence city, mailing address and citizenship are stated below next our signatures.
2. We believe that we are the original and first inventors of the subject matter which is described and claimed in United States Patent No. 6,298,383, granted October 2, 2001, and for which a reissue patent is sought on the invention entitled "Integration of Authentication Authorization and Accounting Service and Proxy Service" the specification of which is filed herewith.

3. We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by the second preliminary amendment filed herewith.
4. We acknowledge the duty to disclose information material to patentability as defined in 37 C.F.R. Sec. 1.56.
5. All errors corrected in this reissue application arose without any deceptive intention on our part.
6. We believe the original United States Patent No. 6,298,383 (the '383 patent) to be partly or wholly inoperative or invalid by reason of our claiming less than we had the right to claim in the patent because we failed to fully appreciate the scope of our invention at the time we filed our original patent application.
7. We believe the '383 patent to be partly or wholly inoperative or invalid by reason of our claiming less than we had the right to claim in the patent because we failed to communicate with our attorneys sufficiently so that we and our attorneys were able to fully appreciate the scope of our invention by the time of the original patent grant.
8. The Statement of Status and Support for all Changes to the Claims Under 37 C.F.R. 1.173(c) filed herewith is incorporated by reference as set forth fully herein.
9. We believe the '383 patent to be partly or wholly inoperative by reason or errors noted and corrected in the Patent Specification and original patent Claims 1 – 30 in the Second Preliminary Amendment filed herewith and incorporated herein by reference as if set forth fully herein:
  - a. Original patent Claims 4, 7, 13, 17, 21 and 25: "address" should read "addresses";
  - b. Original patent Claims 28 and 30: "said database" should read "said central database".
10. At present original patent Claims 1 – 10 of the '383 patent are limited to a specific embodiment utilizing a publisher-subscriber system of information transmission used with the various embodiments we invented. We do not believe that our invention should be so limited and includes other aspects not previously presented, such as the multiple PoP configuration, accounting management and the like more precisely described in the proposed reissue Claims presented herewith. We have reviewed the application and the Zhang et al. reference (USP 6,119,160) cited in the office action of the application which became the '383 patent and believe that they do not anticipate or render obvious the proposed reissue Claims.
11. Specifically, the various additional reissue Claims that we would like to be allowed in this reissue application are outlined and discussed in detail below:

Reissue Claims 31 – 37

a. Independent Reissue Claim 31

Reissue Claim 31 is directed to a method for managing network access to a data communications network. A central database is maintained and used to configure separate AAA services at a first and a second PoP by transporting information over the data communications network from the central database to the databases associated with the AAA services.

Reissue Claim 31 is narrower than cancelled original application Claim 5. It is narrower at least insofar as it contains limitations directed to multiple PoPs with remote AAAs configured from a central database. It is broader than original application Claim 6 (which became issued Claim 1) insofar as it does not specify the precise mechanism by which information is transmitted to configure the AAAs. Original application Claim 1 was a broad claim which the Examiner determined included in its scope the subject matter of Zhang et al. and the Admitted Prior Art (APA), i.e., AAAs configured at a PoP from a central database. Reissue Claim 31 is limited to a multi-PoP implementation not disclosed or taught by the APA or by Zhang et al. and is thus narrower in scope than original application Claim 5.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 31 prior to now.

No new matter has been added and the subject matter of Reissue Claim 31 is not taught in the prior art. It is respectfully submitted that Reissue Claim 31 is in condition for allowance.

b. Dependent Reissue Claims 32 – 37

Reissue Claims 32 – 37 all depend from Reissue Claim 31 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 31 to be allowable.

Reissue Claims 38 – 42

a. Independent Reissue Claim 38

Reissue Claim 38 is directed to a method for managing network access to a data communications network. A central database is maintained and used to configure multiple separate AAA services at a first and an AAA service at a second PoP by transporting information over the data communications network from the central database to the databases associated with the AAA services.

Reissue Claim 38 is narrower than cancelled original application Claim 21. It is narrower at least insofar as it contains limitations directed to multiple PoPs with remote AAAs configured from a central database. It is broader than original application Claim 22 (which became issued Claim 6) insofar as it does not specify the precise mechanism by which information is transmitted to configure the AAAs. Original application Claim 21 was a broad claim which the Examiner determined included in its scope the subject matter of Zhang et al. and the Admitted Prior Art (APA), i.e., AAAs configured at a PoP from a central database. Reissue Claim 38 is limited to a multi-PoP implementation not disclosed or taught by the APA or by Zhang et al. and is thus narrower in scope than original application Claim 21.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 38 prior to now.

No new matter has been added and the subject matter of Reissue Claim 38 is not taught in the prior art. It is respectfully submitted that Reissue Claim 38 is in condition for allowance.

b. Dependent Reissue Claims 39 – 42

Reissue Claims 39 – 42 all depend from Reissue Claim 38 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 38 to be allowable.

Reissue Claims 43 – 46

a. Independent Reissue Claim 43

Reissue Claim 43 is similar to issued Claim 11 except that it does not require a particular method of information transport such as the subscriber-publisher system described in issued Claim 11. It is thus broader than issued Claim 11.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 43 prior to now.

No new matter has been added and the subject matter of Reissue Claim 43 is not taught in the prior art. It is respectfully submitted that Reissue Claim 43 is in condition for allowance.

b. Dependent Reissue Claims 44 – 46

Reissue Claims 44 – 46 all depend from Reissue Claim 43 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 43 to be allowable.

Reissue Claims 47 – 50

a. Independent Reissue Claim 47

Reissue Claim 47 is similar to issued Claim 15 except that it is narrower in that it requires the database checked for a remote AAA service to be associated with the one AAA service used.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 47 prior to now.

No new matter has been added and the subject matter of Reissue Claim 47 is not taught in the prior art. It is respectfully submitted that Reissue Claim 47 is in condition for allowance.

b. Dependent Reissue Claims 48 – 50

Reissue Claims 48 – 50 all depend from Reissue Claim 47 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 47 to be allowable.

Reissue Claims 51 – 54

a. Independent Reissue Claim 51

Reissue Claim 51 is similar to issued Claim 19 except that it is broader in that it does not require a specific form of information transport.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 51 prior to now.

No new matter has been added and the subject matter of Reissue Claim 51 is not taught in the prior art. It is respectfully submitted that Reissue Claim 51 is in condition for allowance.

b. Dependent Reissue Claims 52 – 54

Reissue Claims 52 – 54 all depend from Reissue Claim 51 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 51 to be allowable.

Reissue Claims 55 – 58

a. Independent Reissue Claim 55

Reissue Claim 55 is similar to issued Claim 23, though it is narrower in that it contains the additional limitation regarding transmitting of updating information to the AAA service.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 55 prior to now.

No new matter has been added and the subject matter of Reissue Claim 55 is not taught in the prior art. It is respectfully submitted that Reissue Claim 55 is in condition for allowance.

b. Dependent Reissue Claims 56 – 58

Reissue Claims 56 – 58 all depend from Reissue Claim 55 and we believe them to be allowable for at least the reasons that we believe Reissue Claim 55 to be allowable.

Reissue Claims 59 – 60

a. Independent Reissue Claim 59

Reissue Claim 59 is similar to issued Claim 27, though it is broader in that it contains a limitation to a transmitter rather than a publisher to accomplish the information transport function.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 59 prior to now.

No new matter has been added and the subject matter of Reissue Claim 59 is not taught in the prior art. It is respectfully submitted that Reissue Claim 59 is in condition for allowance.

b. Dependent Reissue Claim 60

Reissue Claim 60 depends from Reissue Claim 59 and we believe it to be allowable for at least the reasons that we believe Reissue Claim 59 to be allowable.

Reissue Claims 61 – 62

a. Independent Reissue Claim 61

Reissue Claim 61 is similar to issued Claim 29, though it is broader in that it contains a limitation to a transmitter rather than a publisher to accomplish the information transport function.



Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 61 prior to now.

No new matter has been added and the subject matter of Reissue Claim 61 is not taught in the prior art. It is respectfully submitted that Reissue Claim 61 is in condition for allowance.

b. Dependent Reissue Claim 62

Reissue Claim 62 depends from Reissue Claim 61 and we believe it to be allowable for at least the reasons that we believe Reissue Claim 61 to be allowable.

Reissue Claims 63 – 73

a. Independent Reissue Claims 63 – 64

Reissue Claims 63 and 64 are both independent and recite subject matter generally similar to original patent claims in means plus function format.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claims 63 and 64 prior to now.

No new matter has been added and the subject matter of Reissue Claims 63 - 64 is not taught in the prior art. It is respectfully submitted that Reissue Claims 63 – 64 are in condition for allowance.

b. Independent Reissue Claim 65

Reissue Claim 65 is independent and claims the accounting aspect of the invention not previously claimed in means plus function format.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 65 prior to now.

No new matter has been added and the subject matter of Reissue Claim 65 is not taught in the prior art. It is respectfully submitted that Reissue Claim 65 is in condition for allowance.

c. Independent Reissue Claim 66

Reissue Claim 66 is independent and recites subject matter generally similar to original patent claims.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 66 prior to now.

No new matter has been added and the subject matter of Reissue Claim 66 is not taught in the prior art. It is respectfully submitted that Reissue Claim 66 is in condition for allowance.

d. Independent Reissue Claim 67

Reissue Claim 67 is independent and recited subject matter generally similar to original patent claims in means plus function format.

Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claim 67 prior to now.

No new matter has been added and the subject matter of Reissue Claim 67 is not taught in the prior art. It is respectfully submitted that Reissue Claim 67 is in condition for allowance.

e. Independent Reissue Claims 68 – 73

Reissue Claims 68 – 73 are independent claims directed to two-PoP versions of the invention.

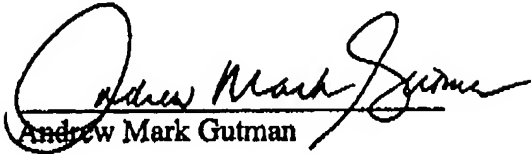
Our failure to fully appreciate the scope of our invention and to adequately communicate with our attorneys led to our failure to originally or subsequently claim the subject matter of Reissue Claims 68 - 73 prior to now.

No new matter has been added and the subject matter of Reissue Claims 68 - 73 is not taught in the prior art. It is respectfully submitted that Reissue Claims 68 – 73 are in condition for allowance.

12. We hereby declare that all statements made herein of our knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. Sec. 1001, and that such willful false statements may jeopardize the validity of this application, any patent issuing thereon, or any patent to which this declaration is directed.

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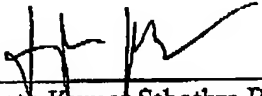
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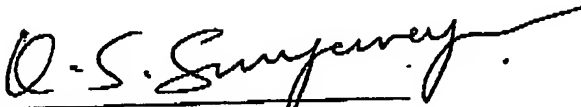
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